

Title (en)

POLYLACTIDE AND POLYCAPROLACTONE COPOLYMER AND BLENDS FOR BIORESORBABLE VASCULAR SCAFFOLDS

Title (de)

POLYMILCHSÄURE- UND POLYCAPROLACTONCOPOLYMER UND MISCHUNGEN FÜR BIORESORBIERBARE VASKULÄRE GERÜSTE

Title (fr)

COPOLYMÈRE DE POLYLACTIDE ET DE POLYCAPROLACTONE ET MÉLANGES POUR DES ÉCHAFAUDAGES VASCULAIRES BIORÉSORBABLES

Publication

EP 3157593 B1 20180502 (EN)

Application

EP 15775015 A 20150617

Priority

- US 201414307440 A 20140617
- US 2015036216 W 20150617

Abstract (en)

[origin: US2015359648A1] Bioresorbable polymer vascular scaffolds made of combinations of polylactide and polycaprolactone having a high molecular weight polymer, thin struts in a selected range and sufficient radial strength to support a vessel upon deployment. The scaffolds have degradation behavior of molecular weight, radial strength, and mass that are conducive to healing of a vessel including providing patency to a vessel, reduction of radial strength, breaking up, and resorbing to allow return of the vessel to a natural state.

IPC 8 full level

A61L 31/04 (2006.01); **A61L 31/06** (2006.01)

CPC (source: CN EP US)

A61F 2/90 (2013.01 - US); **A61F 2/91** (2013.01 - US); **A61L 31/041** (2013.01 - CN EP US); **A61L 31/06** (2013.01 - CN EP US); **A61L 31/10** (2013.01 - CN); **A61L 31/148** (2013.01 - CN US); **A61L 31/16** (2013.01 - CN); **A61L 2300/41** (2013.01 - CN); **A61L 2300/416** (2013.01 - CN); **A61L 2300/42** (2013.01 - CN)

C-Set (source: CN)

1. **A61L 31/06** + **C08L 67/04**
2. **A61L 31/041** + **C08L 67/04**
3. **A61L 31/10** + **C08L 67/04**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2015359648 A1 20151217; **US 9750622 B2 20170905**; CN 107073179 A 20170818; CN 107073179 B 20200124; CN 205073352 U 20160309; EP 3157593 A2 20170426; EP 3157593 B1 20180502; US 2017319363 A1 20171109; WO 2015195794 A2 20151223; WO 2015195794 A3 20160211; WO 2015195794 A4 20160407

DOCDB simple family (application)

US 201414307440 A 20140617; CN 201520419577 U 20150617; CN 201580032578 A 20150617; EP 15775015 A 20150617; US 2015036216 W 20150617; US 201715661925 A 20170727